Ultrasonic Flow Meter

DOSIC

Features:

- Flow measurement for water and oil-based liquids
- Seal-free stainless-steel 316L sensor with RA ≤ 0.8
- Straight, self-draining measuring tube
- Compact design with short installation lengths
- Configurable digital outputs
- Temperature measurement
- IP 67/69 enclosure rating, CIP/SIP-compatible, IO-Link version 1.1

Description:

The non-contact DOSIC® flowmeter detects the flow volume of conductive and non-conductive liquids based on ultrasonic technology. With its measurement channel and stainless-steel housing, the ultrasonic flowmeter is suitable for measuring tasks in hygienic environments.

The compact and rugged design offers a wide variety of application possibilities, including in those where space restrictions or aggressive media play a role. Installation is quick and easy, and does not require medium calibration.

The seal-free, self-draining measuring tube enhances process reliability. Up to two configurable digital and analog outputs as well as the IO-Link interface ensure the right initial situation. The DOSIC® is EHEDG-certified and FDA-compliant.

Applications:

- Flow measurement in the food and beverage industry
- Use in CIP systems
- Flow monitoring in rinsing circuits with demineralized water
- Flow measurement in cooling circuits
- Monitoring the flow rate in dairies and measuring systems

Technical Data Overview

Measurement principle	Ultrasonic sensor
Medium	Conductive and non-conductive liquids
Output signal	1 x analog output: 4 mA ... 20 mA, 2 x digital input or output (configurable) [1) 2)] 2 x analog output: 4 mA ... 20 mA, 2 x digital input or output (configurable) [1) 2)]
Nominal width measuring tube	DN 15 / DN 25
Maximum adjustable measuring range	0 l/min ... 240 l/min

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